Please cancel Claims 28 to 37 without prejudice or disclaimer of subject matter, and add new Claims 38 to 55 as shown below. The claims, as pending in the subject application, now read as follows:

1. to 37. (Canceled)

38. (New) An image input apparatus which can perform data communication with an image output apparatus, comprising:

designation means for designating an image editing process to an original;

reading means for reading image data from the original;

storage means for storing the image data of the original read by said reading means;

original direction detection means for detecting a direction of the original in regard to the image data;

first transmission means for transmitting a detection result by said original direction detection means and the image editing process designation by said designation means to said image output apparatus; and

second transmission means for reading the image data stored in said storage means and transmitting the read image data to said image output apparatus.

39. (New) An image output apparatus which can perform data communication with an image input apparatus, comprising:

image processing means for performing an image process according to image editing process designation received from said image input apparatus, to image data received from said image input apparatus, on the basis of an original direction detection result received from said image input apparatus; and

output means for performing print output of the image data subjected to the image process by said image processing means.

40 (New) An image forming system in which image data input by an image input apparatus can be output by an image output apparatus capable of performing data communication with said image input apparatus, wherein

said image input apparatus consists of

designation means for designating an image editing process to an original,

reading means for reading image data from the original,

storage means for storing the image data of the original read by said reading means,

original direction detection means for detecting a direction of the original in regard to the image data,

first transmission means for transmitting a detection result by said original direction detection means and the image editing process designation by said designation means to said image output apparatus, and

second transmission means for reading the image data stored in said storage means and transmitting the read image data to said image output apparatus, and

said image output apparatus consists of

image processing means for performing an image process according to the image editing process designation received from said image input apparatus, to the image data received from said image input apparatus, on the basis of the original direction detection result received from said image input apparatus, and

output means for performing print output of the image data subjected to the image process by said image processing means.

41. (New) A control method for an image input apparatus capable of performing data communication with an image output apparatus, comprising:

a designation step of designating an image editing process to an original;

a reading step of reading image data from the original;

a storage step of storing the image data of the original read in said reading step, in a memory;

an original direction detection step of detecting a direction of the original in regard to the image data;

a first transmission step of transmitting a detection result in said original direction detection step and the image editing process designation in said designation step to the image output apparatus; and

a second transmission step of reading the image data stored in the memory and transmitting the read image data to the image output apparatus.

42. (New) A control method for an image output apparatus capable of performing data communication with an image input apparatus, comprising:

an image processing step of performing an image process according to image editing process designation received from the image input apparatus, to image data received from the image input apparatus, on the basis of an original direction detection result received from the image input apparatus; and

an output step of performing print output of the image data subjected to the image process in said image processing step.

43. (New) A computer-readable storage medium storing a computer-executable program for executing a control method of an image input apparatus capable of performing data communication with an image output apparatus, said method comprising:

a designation step of designating an image editing process to an original;

a reading step of reading image data from the original;

a storage step of storing the image data of the original read in said reading step, in a memory;

an original direction detection step of detecting a direction of the original in regard to the image data;

a first transmission step of transmitting a detection result in said original direction detection step and the image editing process designation in said designation step to the image output apparatus; and

a second transmission step of reading the image data stored in the memory and transmitting the read image data to the image output apparatus.

44. (New) A computer-readable storage medium storing a computer-executable program for executing a control method of an image output apparatus capable of performing data communication with an image input apparatus, said method comprising:

an image processing step of performing an image process according to image editing process designation received from the image input apparatus, to image data received from the image input apparatus, on the basis of an original direction detection result received from the image input apparatus; and

an output step of performing print output of the image data subjected to the image process in said image processing step.

45. (New) An image processing system which includes a first device at least having an input unit capable of inputting image data and a communication unit capable of performing data communication, and a second device at least having a communication unit capable of performing the data communication and an output unit capable of outputting image data, said system comprising:

a remote output mode setting unit adapted to set a remote output mode for performing through said communication unit the data communication of the image data input by said first device and thus causing said second device to output the communicated image data;

a direction detection unit adapted to detect a direction of the image data input in the first device;

a transmission control unit adapted to perform control to transmit the image data to be output by said second device in the remote output mode from said first device to said second device and transmit the direction of the image data detected by said direction detection unit;

a reception control unit adapted to cause said second device to receive the image data and the direction of the image data transmitted from said first device;

an image processing control unit adapted to control said second device so as to perform an image process to the image data received from said first device, according to the direction of the image data received from said first device; and

a controller adapted to cause said second device to output the image data subjected to the image process by said second device.

46. (New) A control method for an image processing system which includes a first device at least having an input unit capable of inputting image data and a communication unit capable of performing data communication, and a second device at least having a communication unit capable of performing the data communication and an output unit capable of outputting image data, said method comprising:

a remote output mode setting step of setting a remote output mode for performing through the communication unit the data communication of the image data input by the first device and thus causing the second device to output the communicated image data;

a direction detection control step of detecting a direction of the image data input in the first device; and

a control step of causing in the remote output mode the second device to output the image data transmitted from the first device, in a manner of outputting based on the direction of the image data information acquired by the first device.

47. (New) A control method according to Claim 46, wherein said control step enables to:

in a case where a first image forming mode in which an image editing process such as an image data rotation process is necessary is set in the remote output mode, execute a first sequence of causing the second device to output the image data transmitted from the first device, in the manner of outputting based on the direction of the image data acquired by the first device, and

in a case where a second image forming mode in which the image editing process such as the image data rotation process is unnecessary is set in the remote output mode, execute a second sequence of inhibiting the first sequence and causing the second device to output the image data transmitted from the first device, in a manner of outputting not based on the direction of the image data acquired by the first device.

48. (New) A control method according to Claim 46, wherein said control step enables to:

in a case where at least any one of image forming modes including a stapling mode, a page print mode, a reduction layout mode and a punching mode is set in the remote output mode, execute a first sequence of causing the second device to output the image data

transmitted from the first device, in the manner of outputting based on the direction of the image data acquired by the first device, and

in a case where a non-sort mode is set in the remote output mode, execute a second sequence of inhibiting the first sequence and causing the second device to output the image data transmitted from the first device, in a manner of outputting not based on the direction of the image data acquired by the first device.

49. (New) A control method according to Claim 46, wherein:

in the remote output mode, said control step enables to output from the second device a series of image data consisting of plural pages transmitted from the first device in an image direction based on the direction of the image data acquired by the first device, and

in the remote output mode, said control step enables to selectively execute a first mode of processing the series of image data consisting of the plural pages based on the direction of the image data acquired for each page of the series of image data consisting of the plural pages, and a second mode of processing the series of image data consisting of the plural pages based on the direction of the image data of a predetermined page of the series of image data consisting of the plural pages.

50. (New) A control method according to Claim 46, wherein, in the remote output mode, said control step enables to selectively execute a first processing mode of causing the first device to generate the processed image data obtained by performing an image process based on the direction of the image data acquired by the first device to the image data input by the first device and further causing the second device to output the processed image data, and a

second processing mode of causing the second device to generate the processed image data

obtained by performing the image process based on the direction of the image data acquired by

the first device to the image data input by the first device and further causing the second device

to output the processed image data.

51. (New) A control method according to Claim 46, wherein, in the remote

output mode, in a case where a series of image data consisting of plural pages transmitted from

the first device is output by the second device in a manner of outputting based on the direction of

the image data acquired by the first device, said control step enables to selectively execute a first

transfer mode of transferring the image data in units of page from the first device to the second

device, and a second transfer mode of storing all the pages of the series of image data in the first

device and then transferring in a lump the image data of all the pages from the first device to the

second device.

52. (New) A control method according to Claim 46, wherein each of the first

device and the second device includes an image input unit, an original direction detection unit, a

storage unit capable of storing the image data of plural pages, and a printer unit.

53. (New) A control method according to Claim 46, wherein at least either one

of the first device and the second device is a multifunctional apparatus which has plural functions

including at least any one of a copy function, a printer function, a facsimile function, a box

function and a network scanner function.

54. (New) A control method according to Claim 46, wherein at least either one of the first device and the second device is a monofunctional apparatus which at least has one of a copy function, a printer function, a facsimile function, a box function and a network scanner function.

55. (New) A computer-readable storage medium storing a computer-executable program to execute a control method for an image processing system which includes a first device at least having an input unit capable of inputting image data and a communication unit capable of performing data communication, and a second device at least having a communication unit capable of performing the data communication and an output unit capable of outputting image data, said method comprising:

a remote output mode setting step of setting a remote output mode for performing through the communication unit the data communication of the image data input by the first device and thus causing the second device to output the communicated image data;

a direction detection step of detecting a direction of the image data input in the first device; and

a control step of causing in the remote output mode the second device to output the image data transmitted from the first device, in a manner of outputting based on the direction of the image data detected in said direction detection step.